GXP1610/1615/1620/1625/1628/1630 Firmware Release Note

IMPORTANT UPGRADING NOTE

- **Starting from firmware version 1.0.2.21, downgrading to version 1.0.2.4 or lower requires a matched protocol for upgrading and provisioning under webUI->Maintenance->Upgrade and Provision->option "Config Upgrade Via" and option "Firmware Upgrade Via".**

  For example, if you are using HTTP server to downgrade to 1.0.2.4, please configure both "Config Upgrade Via" and "Firmware Upgrade Via" to "HTTP".

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FIRMWARE VERSION 1.0.4.22

PRODUCT NAME

GXP1610, GXP1615, GXP1620, GXP1625, GXP1628 and GXP1630

DATE

10/03/2016

ENHANCEMENT

- Added ability to perform a quick search and create new contact using Czech characters
- Added ability to perform a quick search and create new contact using Russian characters
- Added ability to lock settings on phone
- Added support for DHCP option 132 and 133 tunneled through DHCP option 43
- Added DHCP option 132 for (802.1Q VLAN ID) and 133 (QOS priority level)
- Added ability to adjust ringtone level from web GUI
- Added support for separated QoS setting for SIP and RTP
- Added configurable web access port
- Added ability to configure record button
- Optimized Broadsoft N-Way Conference

BUG FIX

- Fixed blind transfer ignores the dial plan
- Fixed call forward using forward softkey ignores the dial plan.
- Fixed local phonebook starts duplicating contacts and sometimes not showing all contacts while Phonebook reaches 10 contacts
- Fixed DUT sends a BYE SIP message right after the INVITE when configured "DND Call Feature On"
- Fixed display of name override number on phonebook display
- Fixed phone does not send authorization header when receive 302 message
- Fixed phone cannot download provisioning file through 301 HTTP redirection
- Fixed phone is not reacting to Speed Dial SoftKey
- Fixed missing symbol slash "/"on phone keypad
- Fixed network connectivity lost when changing the Layer 2 QoS 802.1p Priority.
- Fixed GUI crashed after setting Dial Plan Prefix to a long Chinese string
- Fixed “Firmware Upgrade via” doesn't take effect after it is set via SSH2
- Fixed phone answer paging call even if custom call-info is configured

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

QUICK SEARCH AND CREATE NEW CONTACT USING CZECH CHARACTERS

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Language → Select Czech language.

- **Functionality**

Search contact names with Czech characters.

QUICK SEARCH AND CREATE NEW CONTACT USING RUSSIAN CHARACTERS

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Language → Select Russian language.

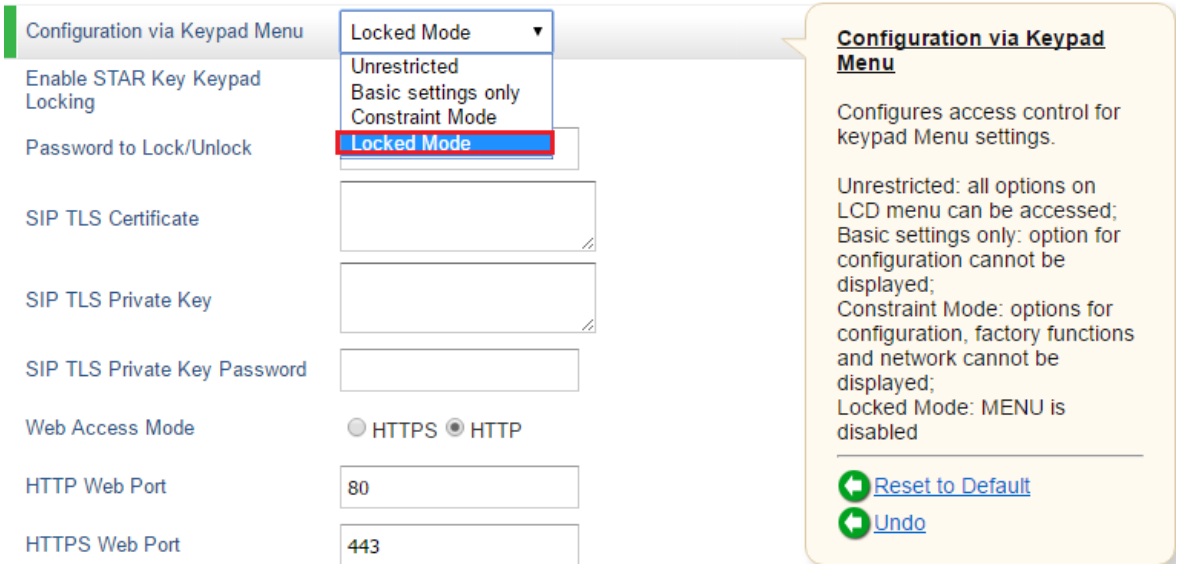
- **Functionality**

Search contact names with Russian characters.

LOCK SETTINGS ON PHONE

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security.



- **Functionality**

Add another configuration via keypad menu mode called "Locked Mode". When this option is selected, it will restrict user access to any settings on the LCD: menu is disabled, only allow making and receiving phone calls and basic functionality provided by the feature keys (transfer/conference/hold/mute/volume/send/speaker).

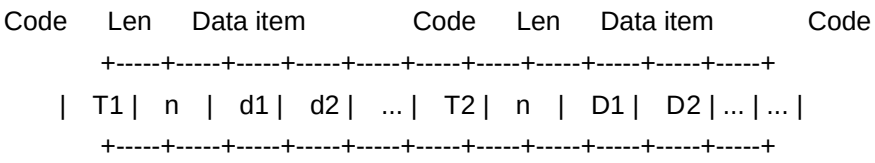
ENABLE DHCP VLAN

- **Web Configuration**

This option can be found under device web UI →Network -> Advanced Settings

- **Functionality**

Added support DHCP Option 132 & 133 tunneled through DHCP Option 43 on the phone to deploy it on the network. By enabling the DHCP VLAN, the phone will try to read VLAN setting from DHCP option 132 and 133. If both of values in these two options are empty, phone will then read from option 43. The format of the data in Option 43 should be like as follows:



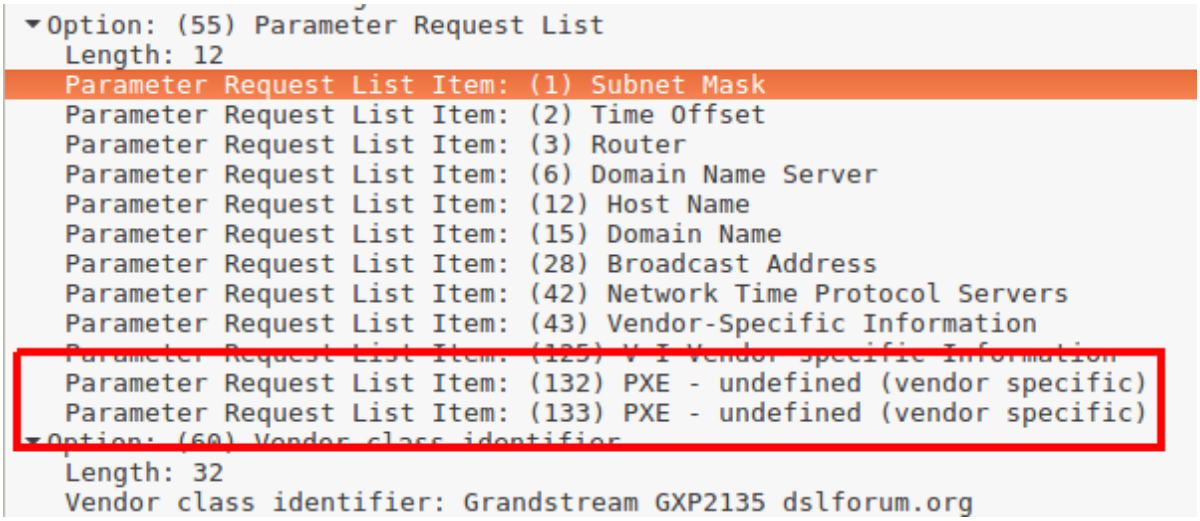
Here is a valid example:

84:04:31:31:34:00:85:02:35:00

Which means tunnel option 132 value 114 and option 133 value 5 via option 43. Option 132 for VLAN ID and 133 for priority, or from Option 43 which encapsulates both two values.

After user enables this feature, phone will disable LLDP VLAN setting and try to read VLAN setting from DHCP to override manual setting.

Firstly, the phone will send discover package and receive offer package for option 132 (VLAN ID) and option 133 (VLAN priority) via DHCP server.



If one of Option 132 and Option 133 is not empty, phone will read values in these two options.

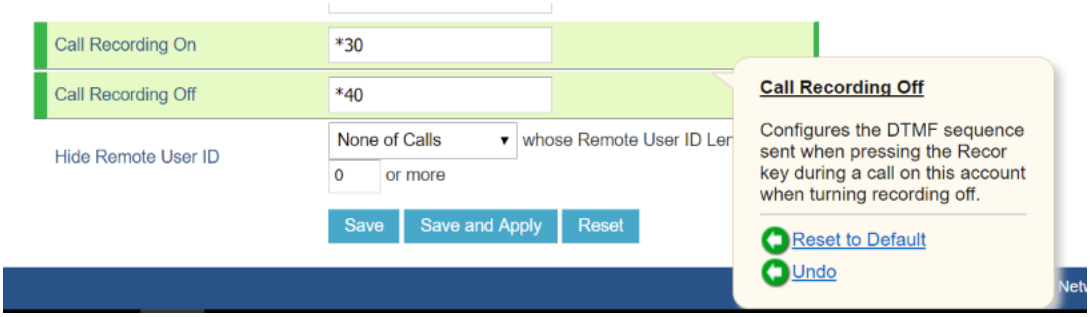
However, if Option 132 and Option 133 are both empty, the phone will retrieve the value of Option 43 for VLAN ID and priority.

If VLAN ID and priority are both valid, VLAN setting will take effect after phone rebooting; if one of the value is invalid, DHCP VLAN setting won't override manual setting.

ABILITY TO CONFIGURE RECORD BUTTON

- **Web Configuration**

This option can be found under webUI → Account → Call Settings.



- **Functionality**

Allow users to configure the DTMF that will be sent once record button is pressed during the call.

- **New P Value**

P value	Description	Value Range	Default
P26028	<New P value> Call Recording On	String	None
P26029	<New P value> Call Recording Off	String	None

FIRMWARE VERSION 1.0.4.17

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628 and GXP1630

DATE

09/02/2016

ENHANCEMENT

- Added ability to set forward on busy and on no answer from the LCD
- Added dial soft key on LCD screen
- Added ability to displays more characters for account name on LCD display
- Added Option for Predictive Dial Feature
- Added Option to adjust the Maximum Transmission Unit (MTU) of IP Packets.
- Spited Register and Subscription expiration settings
- Added ability to hide web access mode and disable SSH from LCD menu under constraint mode
- Add support for Latvian Language
- Polish language update

BUG FIX

- Fixed speed dial via active account doesn't work on MPK
- Fixed MPK work abnormally after modifying MPK keys
- Fixed device work abnormally after setting the MPK1
- Fixed phone stops sending keep alive
- Phone Keeps Sending RTP after Call Disconnected
- Fixed cannot park the call with alphanumeric entry
- Fixed Speaker icon displayed when after enabled DND feature
- Fixed cannot get to the voice IP directly after the restart
- Fixed phone ignored assigned VLAN via LLDP
- Fixed device dsp crashed after hold and resume the call on SRTP
- Fixed notify from call group pickup not applied
- Fixed cannot get to the voice IP directly after the restart
- Fixed Contacts disappear after uploading the XML file in not phonebook
- Fixed Local phonebook contacts disappeared

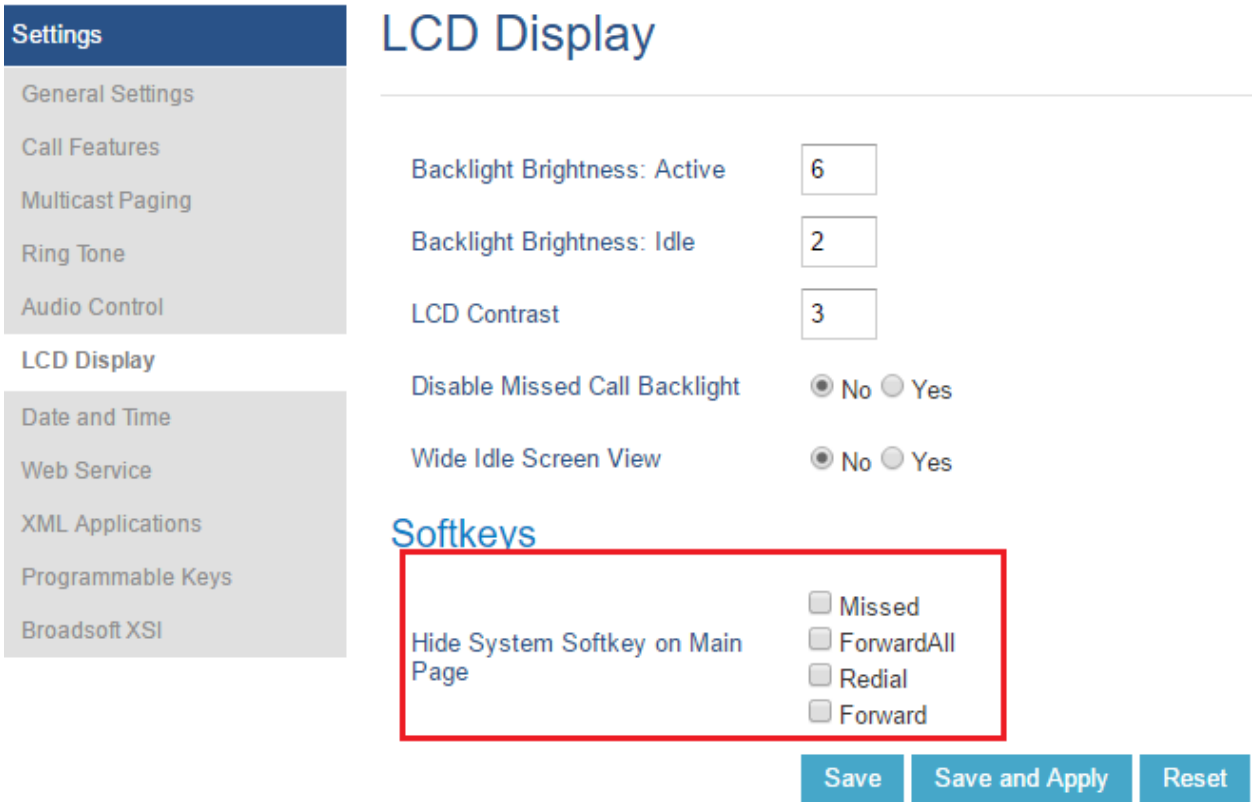
NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

SET FORWARD ON BUSY AND ON NO ANSWER FROM LCD

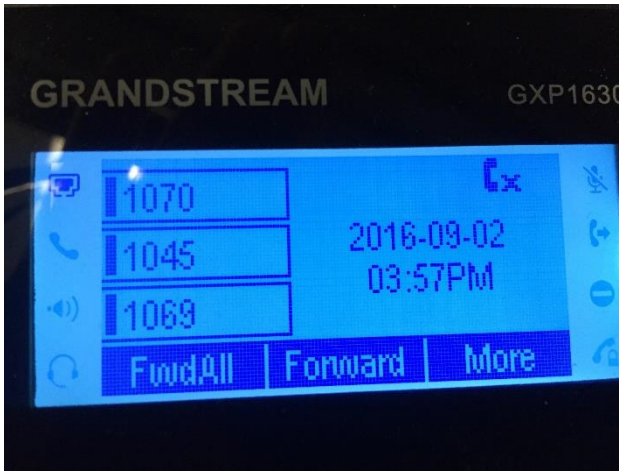
- **Web Configuration**

This setting is under web UI->Settings->LCD Display.

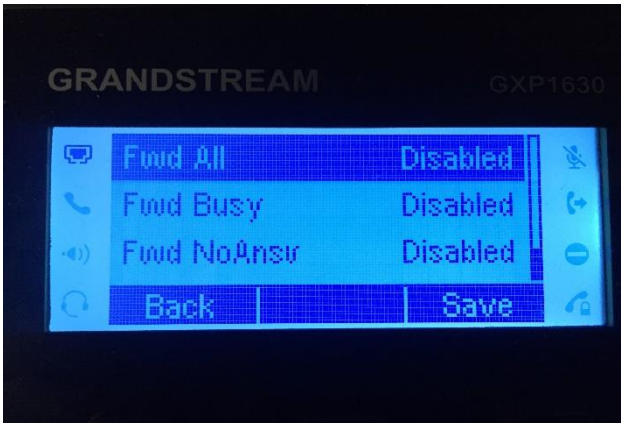


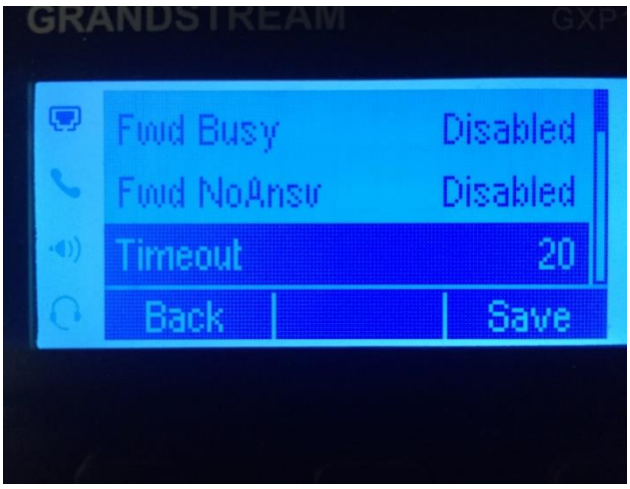
- **Functionality**

User can press Forward Softkey on LCD main screen and perform a setting on forward function.



User can select “Fwd All”, “Fwd Busy”, “Fwd NoAnswer” and “Timeout” for Forward for account 1.





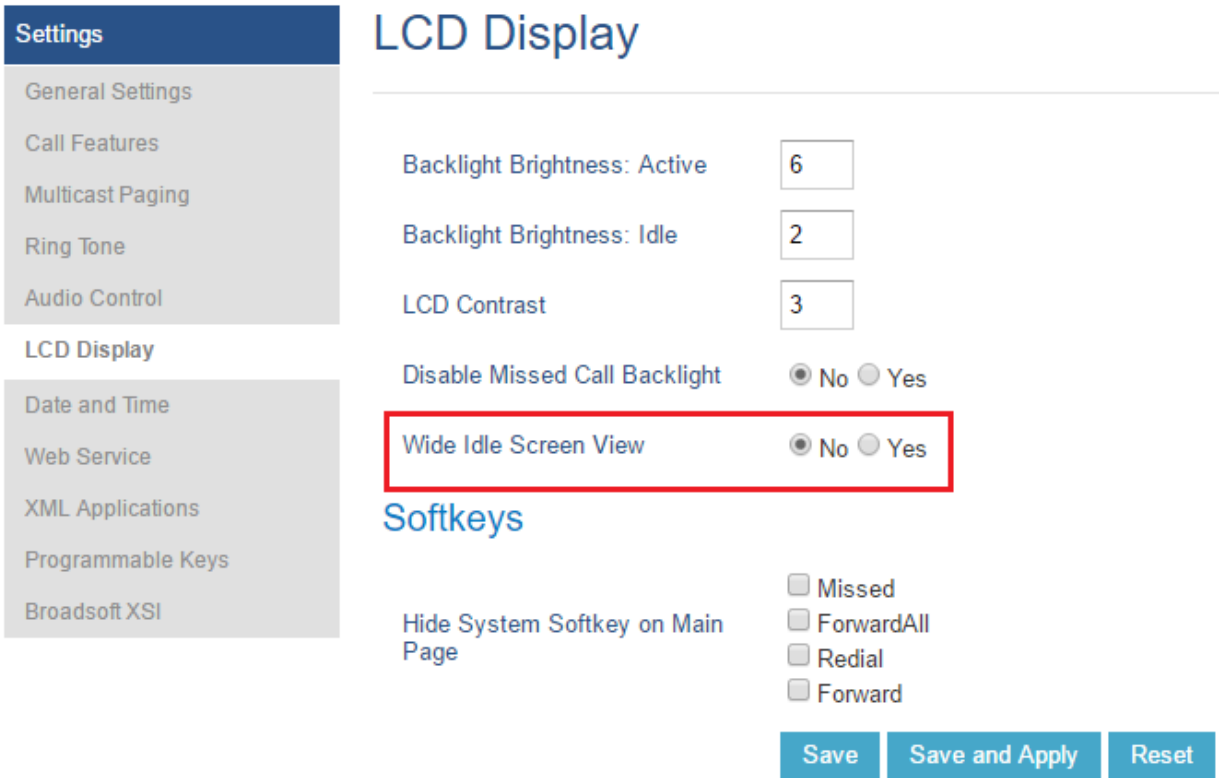
- **New P Value**

P value	Description	Value range	Default
P8348	<New P value> P value to set whether to hide System Softkey on Main Page	Checkbox	

DISPLAY MORE CHARACTERS FOR ACCOUNT NAME ON LCD DISPLAY

- **Web Configuration**

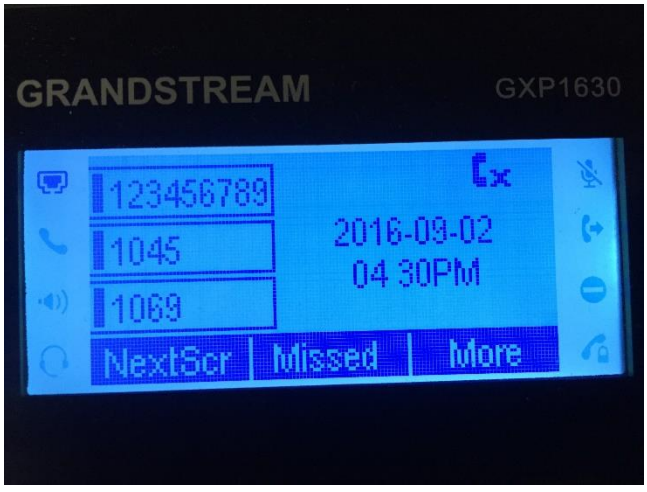
The users could find this setting under web UI->Settings->LCD Display.



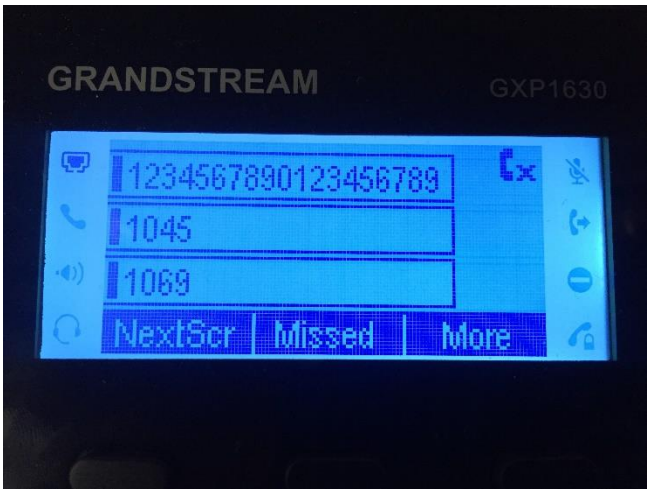
- **Functionality**

User can enable or disable the wide view for account in idle screen. Once this feature is enabled, the LCD could display more characters for account name display. This feature needs a reboot to take effect.

For example, if we set account name for account 1 as “12345678901234567890”, before enabling this feature, the phone display looks like this:



After enabling this feature, the phone display looks like this:



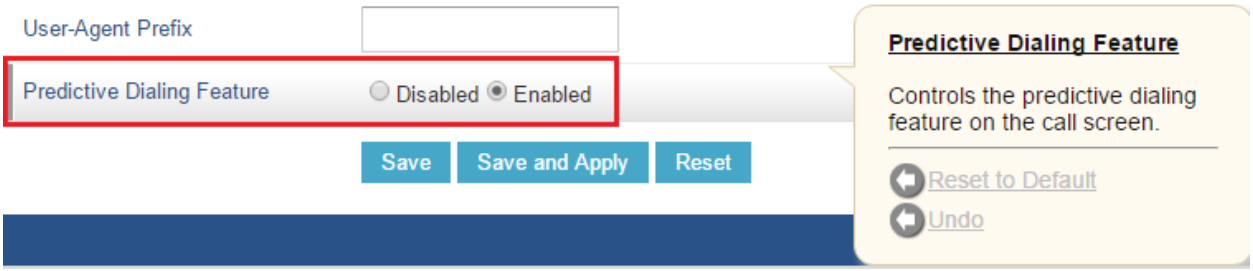
- **New P Values**

Pvalue	Description	Value range	Default
P8346	<New Pvalue> Pvalue to set whether to use long label	0, No 1,Yes	0

ENABLE PREDICTIVE DIAL FEATURE

- **Web Configuration**

User can enable this feature from web UI->Settings->Call Features.



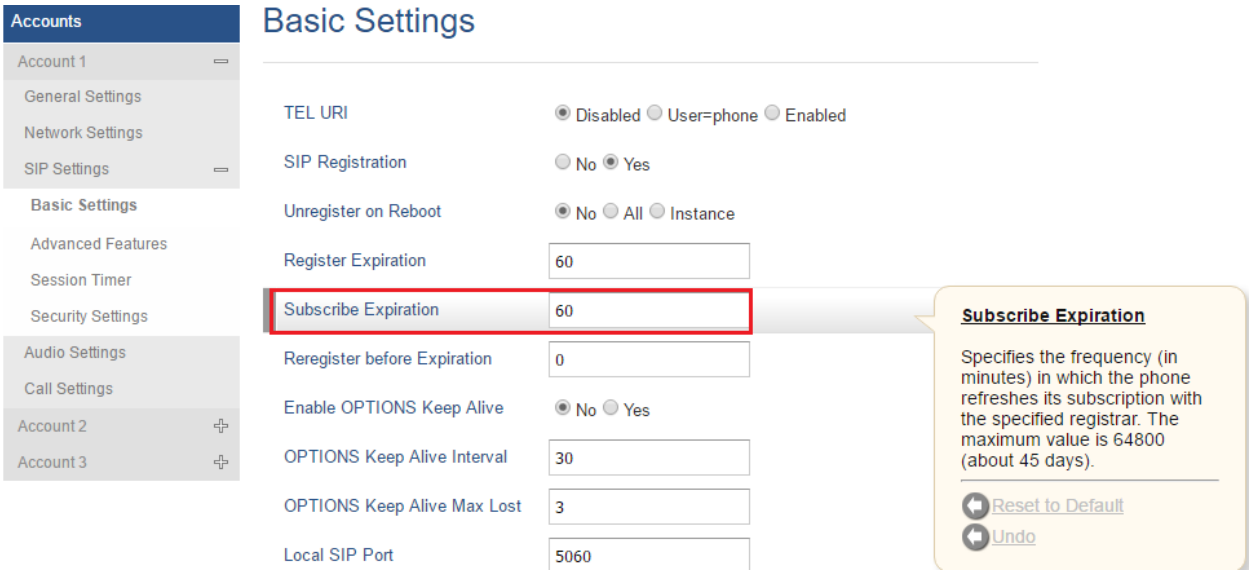
- **New P Values**

P value	Description	Value range	Default
P22126	<New P value> P value to set whether enable or disable predictive dialing feature	0, Disable 1, Enable	1

ADJUST EXPIRATION TIME FOR SUBSCRIBE

- **Web Configuration**

This option is under web UI->Account x->SIP Settings->Basic Setting.



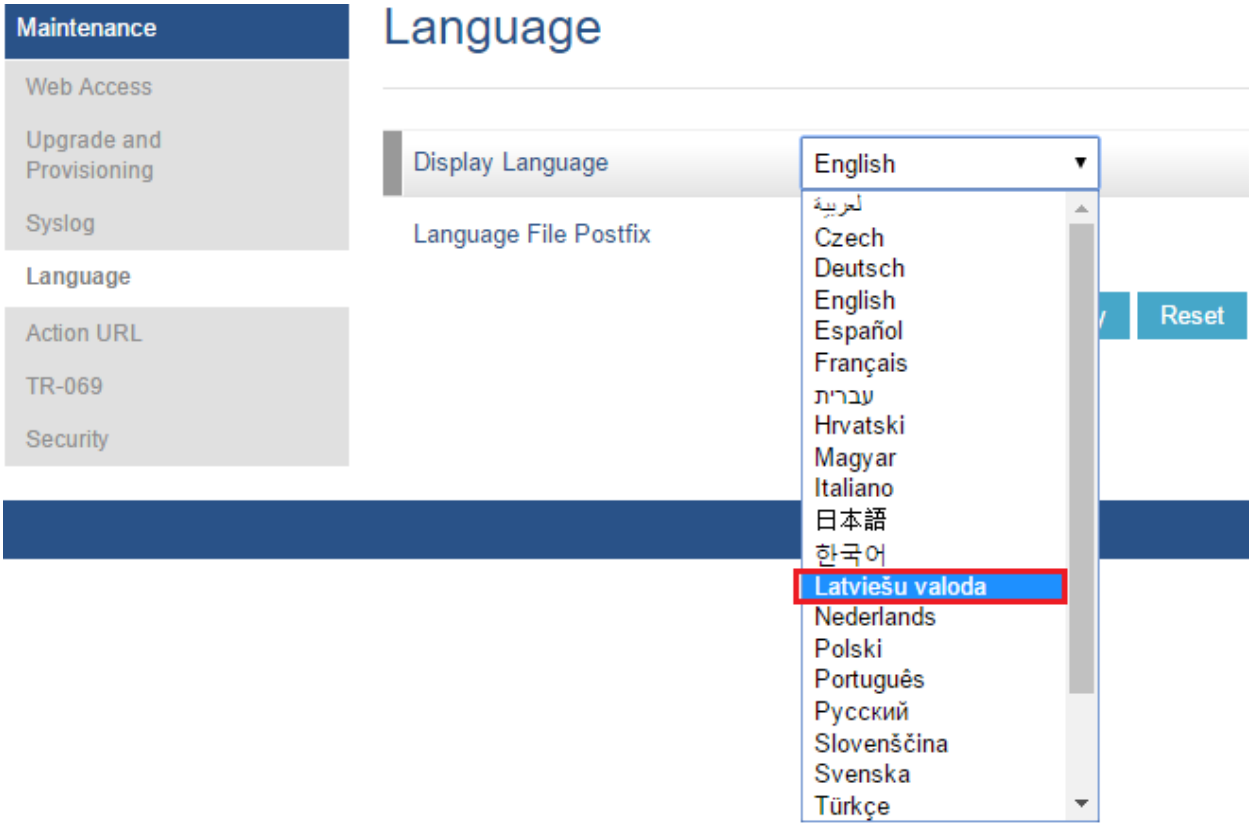
- **New P Value**

P value	Description	Value range	Default
P26051	<New P value> P value to set subscribe expiration time for account 1	1-64800	60
P26151	<New P value> P value to set subscribe expiration time for account 2	1-64800	60
P26251	<New P value> P value to set subscribe expiration time for account 3	1-64800	60

LATVAIN LANGUAGE SUPPORT

- **Web Configuration**

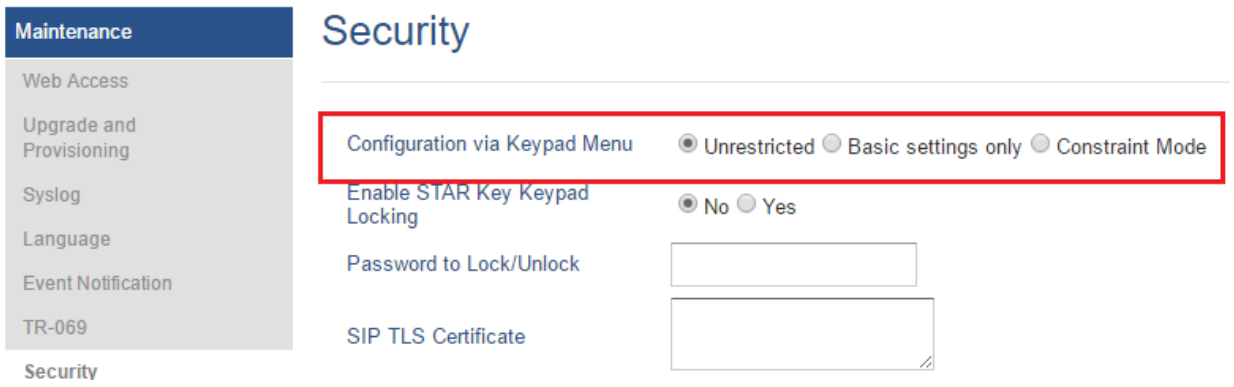
This option can be found under device web UI->Maintenance->Language.



HIDING "WEB ACCESS MODE" AND "DISABLE SSH" FROM LCD MENU UNDER CONSTRAINT MODE

- **Web Configuration**

This option can be found under web UI->Maintenance->Security.



In Constraint mode, options for configuration, factory functions and network cannot be display on LCD configuration through keypad.

- **Modified P Values**

P value	Description	Value range	Default
P1357	<New P value> P value to set which mode to be configured for Keypad Menu.	0, Unrestricted 1, Basic setting only 2, Consrtraint Mode	0

FIRMWARE VERSION 1.0.4.6

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628 and GXP1630

DATE

07/06/2016

ENHANCEMENT

- Added ability to customize the system softkey
- Added ability to hide system softkey on main screen
- Added supports of IEEE-48-addr and IEEE-EUI-64 in PEI header
- Added supports of WAN access node in SIP:PANI header
- Added supports of configurable User Agent field

BUG FIX

- Fixed Broadsoft directory could not display on LCD.
- Fixed GUI module crashed after downloading config file.
- Fixed Download local phonebook should not affect downloading Broadsoft phonebook.
- Fixed Local phonebook/call logs disappear.
- Fixed Mirrored PC port mode works abnormally
- Fixed DUT cannot establish a call after sent SUBSCRIBE REGISTER without response.
- Fixed cannot resume HOLD when pressing HOLD button

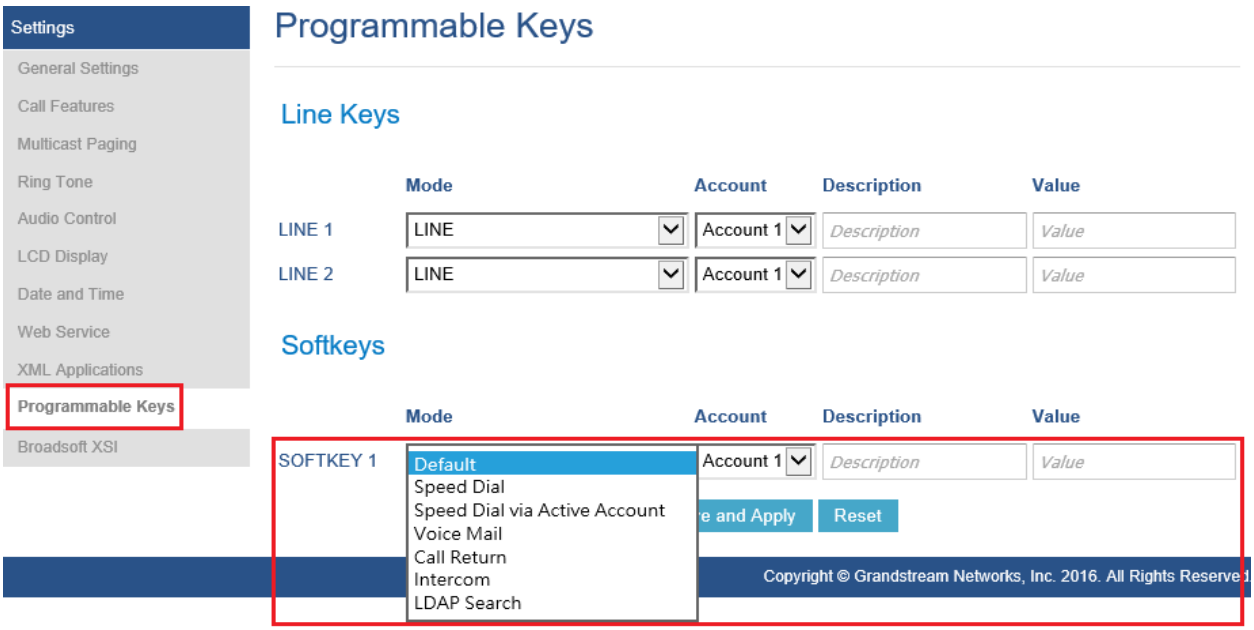
NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

CUSTOMIZING SOFTKEY WITH MULTI-PURPOSE FUNCTION ON MAIN SCREEN

- **Web/LCD Configuration**

Users can configure softkeys from web UI->Settings->Programmable Keys.

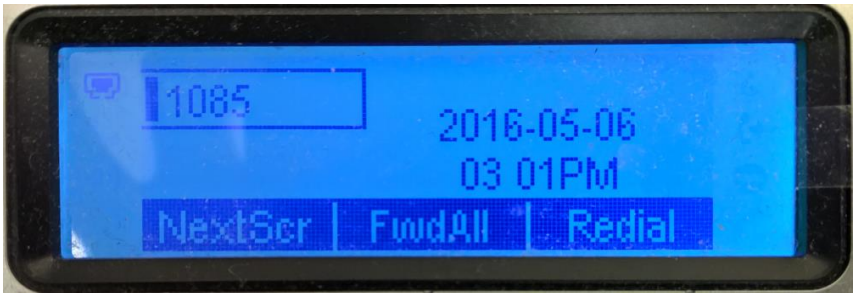


- **Functionality**

Added supports for customizing the main screen softkey by assigning a multi-purpose function.

All Grandstream IP Phone softkey design keep the **FIRST** and **LAST** softkeys for special usage. For the first softkey, it is mainly used for main pages switching on idle screen or switching between idle screen and call screen. For the last softkey, it could be used as softkey switching key if the phone couldn't show all available softkeys in one screen. Therefore, available softkey slots for users to customize should not include the first and last softkeys.

For example, the Phone model with 3 softkeys, ex. GXP1630, provide 1 programmable softkey.



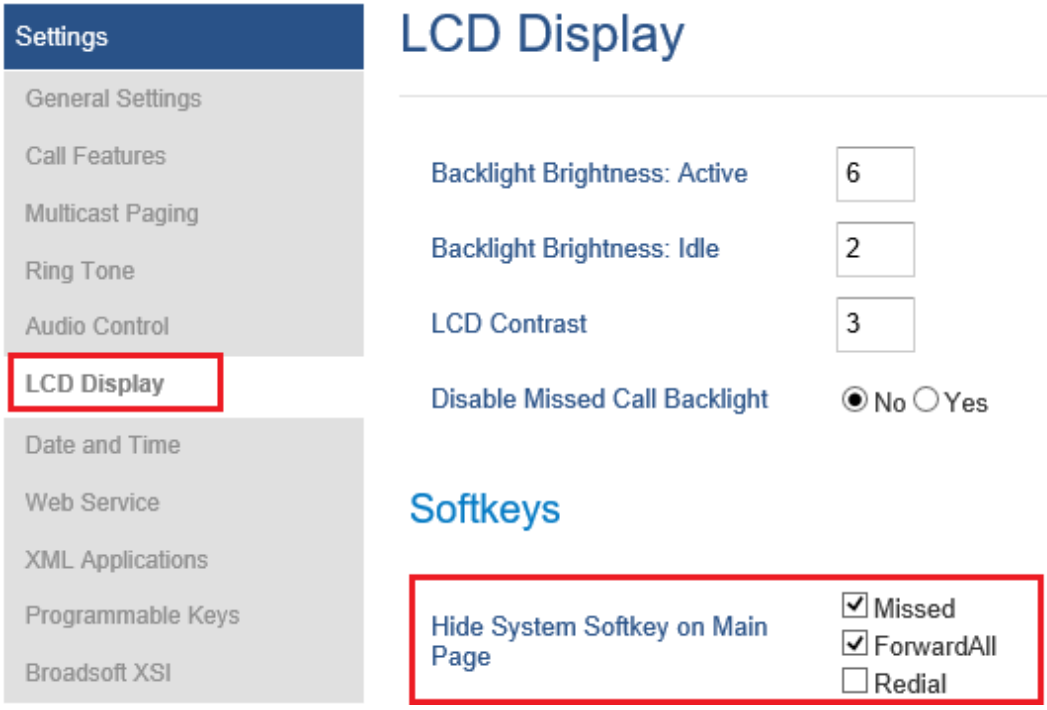
New P Values

P value	Description	Value range	Default
P2987	Mode	0: Default 10: Speed Dial 14: Speed Dial with Active Account 16: Voice Mail 17: Call Return 20: Intercom 21: LDAP Search	0
P2988	Account	0: SIP account 1 1: SIP account 2 2: SIP account 3	0
P2989	Description	String	None
P2990	Value	String	None

HIDE SYSTEM SOFTKEYS ON MAIN SCREEN

- **Web UI/LCD Configuration**

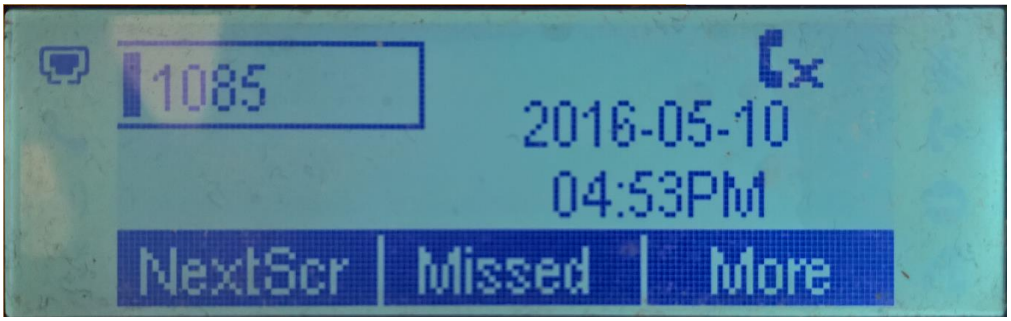
Users can configure softkeys from web UI->Settings->LCD Display.

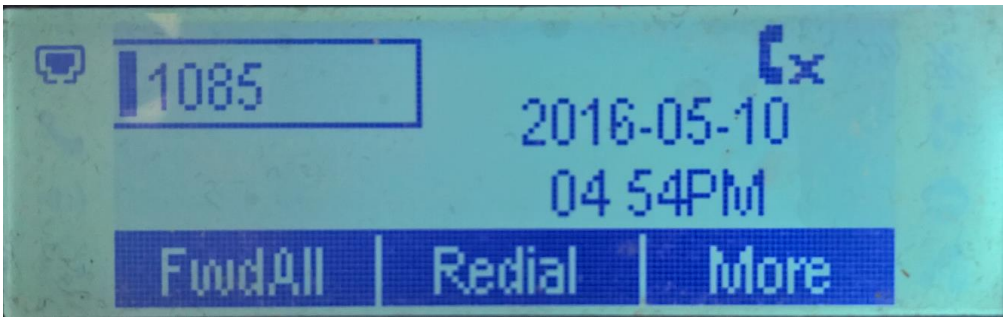


- **Functionality**

Added support function for user to hide an unnecessary softkeys to make softkey list on the phone less redundant.

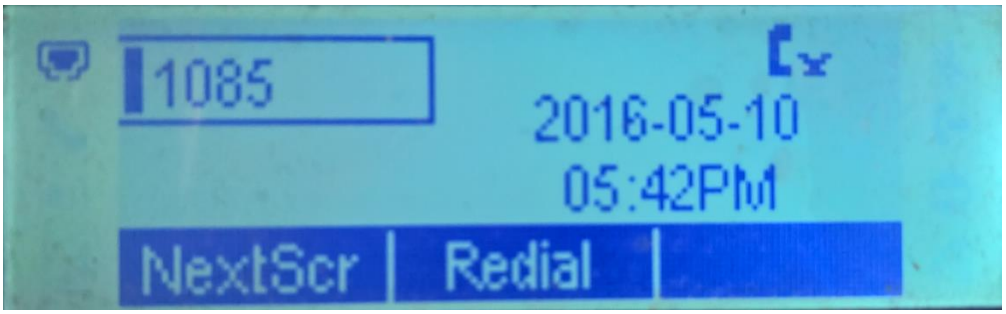
Example:





After the configuring the phone to hide Missed and ForwardAll softkeys, phone will only show Redial softkey

on idle screen.



- **New P Values**

P value	Description	Value range		Default
P8348	Hide System Softkey on Main Page	Option	String	None
		Missed	Missed	
		ForwardAll	ForwardAll	
		Redial	Redial	

FIRMWARE VERSION 1.0.3.28

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628, GXP1630

DATE

05/20/2016

ENHANCEMENT

- Added search feature on Broadsoft directories
- Added specific model configuration file
- Added supports for Configure Broadsoft XSI SIP Authentication method by selecting the account

BUG FIX

- Fixed phone module crashed after registering account and monitoring BLF
- Fixed phone replies with 486 busy here to incoming INVITE during sending subscribe requests
- Fixed LCD screen displays abnormal when dialing an unmatched dialing rule numbers in idle screen
- Fixed the Event Duration in RFC2833 DTMF is unstable which leads failure to check voice mail
- Fixed phone stuck in transferring screen when the blind transfer fails
- Fixed no ring tone in headset when enabling toggle mode and “Always Ring Speaker” option
- Fixed phone cannot hang-up after performing blind transfer in speaker mode
- Fixed Broadsoft n-ways conference call not working
- Fixed “New” contact softkey for local phonebook appeared in Broadsoft phonebook
- Fixed AoC information keep blinking

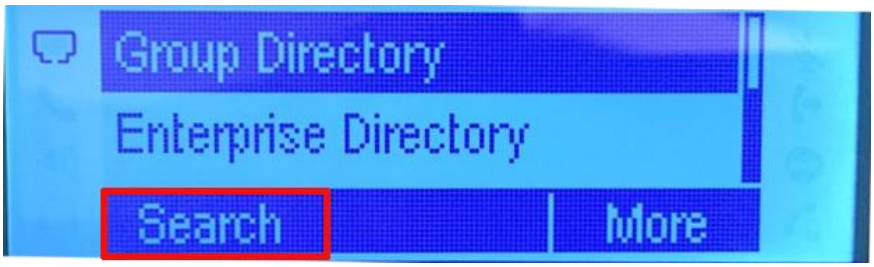
NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user’s point of view.

BROADSOFT DIRECTORIES SEARCH FEATURE

- **Functionality**

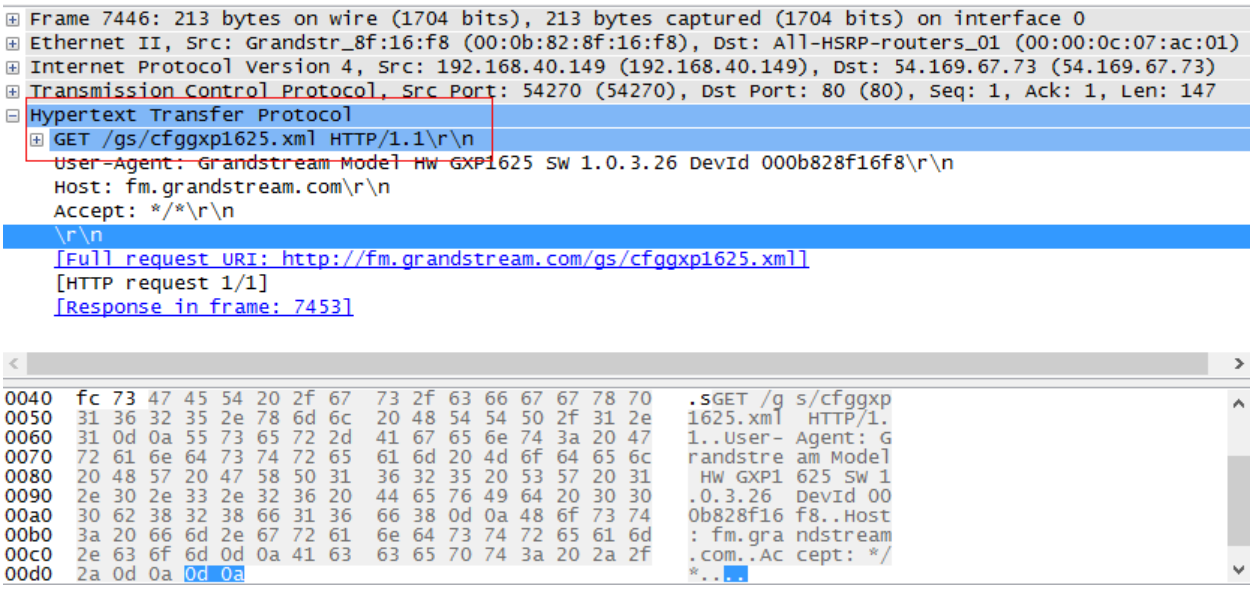
Added supports for searching Broadsoft XSI directories through phone’s LCD. Users can search the name or number of the phonebook.



SPECIFIC MODEL CONFIGURATION FILE

- **Functionality**

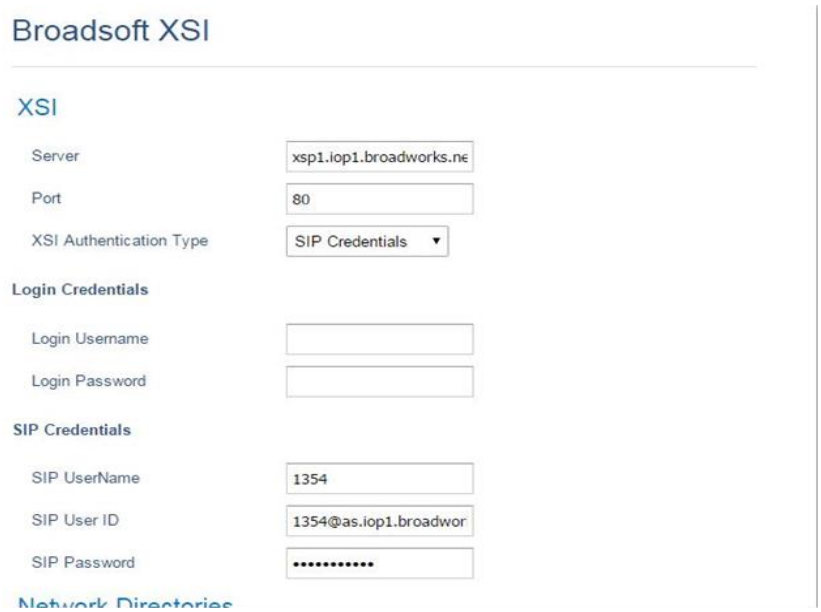
Add model specific configuration file to be requested during the provisioning process. For example: When GXP1625 request the provisioning files it need to also request the following file: cfggxp1625.xml.



AUTHENTICATION OPTIONS FOR BROADSOFT XSI

- **Web/LCD Configuration**

This option is under web UI->Broadsoft->Broadsoft XSI.



- **Functionality**

Provide SIP Authentication option for Broadsoft XSI.

Configure the SIP Credentials and select SIP Credentials as XSI Authentication Type. Phone will offer SIP Credentials when connecting to Broadsoft XSI.

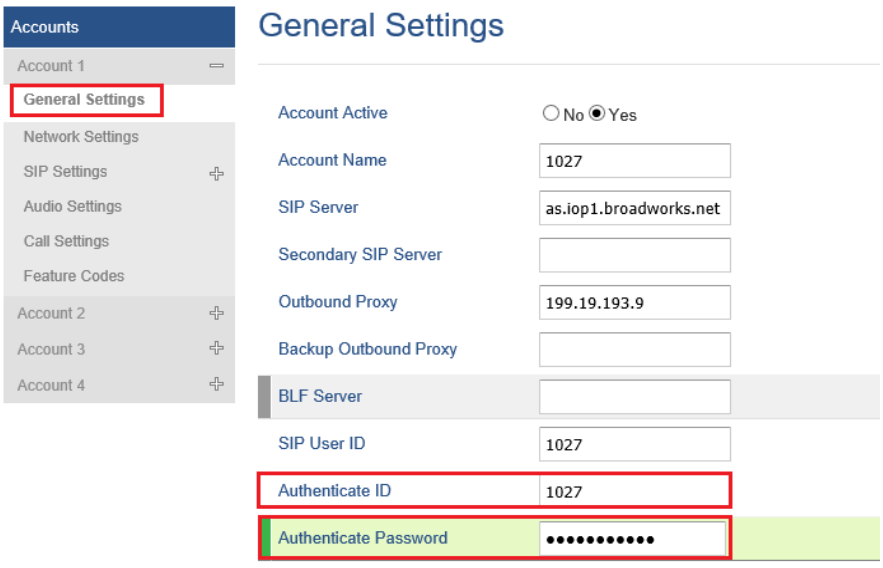
- **New P values**

Pvalue	Description	Value range	Default
P6772	<New Pvalue> Pvalue to set SIP UserName for Broadsoft XSI	String	None
P22034	<New Pvalue> Pvalue to set SIP User ID for Broadsoft XSI	String	None
P6773	<New Pvalue> Pvalue to set SIP Password for Broadsoft XSI	String	None
P22054	<New Pvalue> Pvalue to set XSI Authentication Type for Broadsoft XSI	0 for Login Credentials 1 for SIP Credentials 2 to 4 for SIP Credentials of account 1 to 3.	0

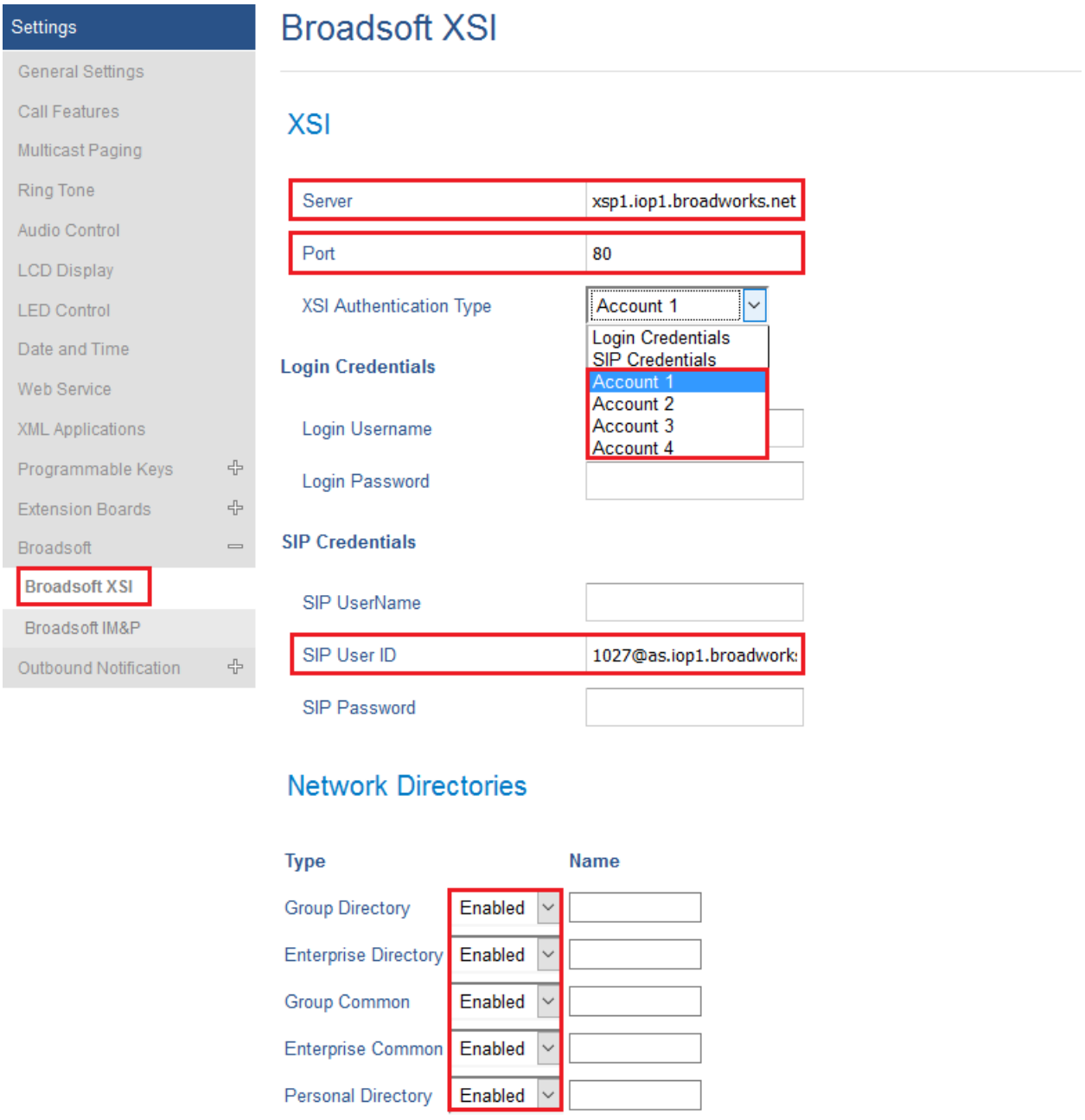
CONFIGURE BROADSOFT XSI SIP AUTHENTICATION METHOD BY SELECTING THE ACCOUNT

- **Web Configuration**

User can use Authenticate ID and Authenticate Password as SIP Username and SIP Password respectively for SIP account. This feature can be found in web UI->Accounts->Account #->General Settings.



Authenticate ID and Authenticate Password must be configured if a user selects that account for accessing Broadsoft XSI Directory and Call Log. In Settings Tab -> Broadsoft -> Broadsoft XSI Settings, users need to configure Server Path, Port, account number, SIP User ID and enable the XSI directories they would like to access.



- **Functionality**

This new method for Broadsoft XSI authentication is selecting SIP account instead of manually input SIP Username and SIP Password. By this way, users can save time on configuration. Phone can retrieve Authenticate ID and Authenticate password information from the selected account and use them as SIP

credentials for accessing Broadsoft XSI Directory and Call Log information. Check functionality under Menu Screen: when all required information are set, Broadsoft Phonebook option will appear in Contacts menu, Broadsoft Call Log option will appear in Call History tab.

- **Changed P values**

P Value	Description	Value Range	Default
P22054	<Changed P value> P value to set XSI Authentication Type for Broadsoft XSI	2 to 4 for SIP Credentials of account 1 to 3.	0

FIRMWARE VERSION 1.0.3.14

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628, GXP1630

DATE

04/21/2016

ENHANCEMENT

- Added ability to configure the Broadsoft XSI SIP Authentication method by selecting the account
- Added BLF call pickup with Barge-In option
- Added ability to upload configuration file through web GUI
- Added predictive dialing feature
- Added contact XML exporter
- Added Spanish input and T9 conversion for Spanish and Russian
- Added ability to only hide the incoming User ID option in web page
- Added ActionURL feature support on GXP1610
- Added ability to prevent the phone from sending DNS then HTTPS requests to ipvideotalk media service
- Added support for iLBC and G723.1 vocoder
- Added ability for both headset and handset model can be heard voice in a calling
- Added callee user id hiding option in web page
- Added DHCP Option 125 for TR-111
- Added ability to show agent status of Broadsoft call center on idle screen
- Added support for Broadsoft XSI authentication type
- Updated new Grandstream web theme
- Added the Broadsoft AoC information can be displayed without blinking on the phone's LCD
- Added DHCP option 150 support

BUG FIX

- Fixed GXP16XX : BLF is not updated correctly
- Fixed Local group name displayed abnormally when contains special character @.
- Fixed [ITSP Voice2Net] NA-E: Phone Locks Up due to SUBSCRIBE sent to IP instead of domain
- Attempt Fixed Gui module crash in dialing page
- Fixed GUI crashed after uploading wrong phonebook file
- Fixed Device could hear loopback audio after far end holding talk
- Fixed Provision module crashed when Firmware Upgrade Path as UCM detect address
- Fixed Gui module crash in dialing page
- Fixed Open LLDP on version 0.12.4.46, Upgrade failed under PingAn's network

- Fixed Phone crash when configuring MUTE key in Broadsoft server
- Fixed BLF key press has no effect during active call
- Fixed Plantronics EHS compatibility issue with GXP1628
- Fixed DUT sends SIP instance ID when set to No, unless if DUT is rebooted
- Fixed GUI crashed after pressing softkey via HTTP API.
- Fixed Back softkey in local group is invalid.
- Fixed LCD should add iLBC and G723 codec
- Fixed Account bar display abnormally when configure line key as MPK.
- Fixed Redial/Call return worked abnormally.
- Fixed Call history out of range.
- Fixed Contacts disappear after hard rebooting
- Fixed device upgrade failed and stopped at "Recovery Incomplete" page.
- Fixed cannot use dial softkey to dial from Broadsoft phonebook
- Fixed Broadsoft XSI search only exact match
- Fixed GXP1630 LCD display abnormally after participant end call in conference.
- Fixed phone responds with SIP 180 when INVITE contains REPLACES header
- Fixed LCD display abnormally after receive 488 then having coming call
- Fixed 1600C_GUI crash when enter into phone option from LCD
- Fixed EHS Headset configuration was not used on the new menu
- Fixed Phone can't receive incoming calls
- Fixed GXP1600C GUI crash after on-hook
- Fixed phone module crash after standby 3 days with configuring 7 BLF MPKs.
- Fixed device display abnormal when press multicast paging MPK in the dial screen
- Fixed GXP1630 LCD display abnormally in phonebook
- Fixed LCD warning window display abnormally when establish 3WC with G729
- Fixed GXP1630 transfer on conference hang-up is valid in 4WC.
- Fixed GXP1630 device didn't clear previous digits when press line key back to conference
- Fixed LCD didn't popped up reboot window after modify network configuration
- Fixed Press EHS key can't send out when dialing in idle status.
- Fixed phone plays DTMF tone first then starts to record.
- Fixed LCD didn't display number in ringing page
- Fixed Back softkey in voice mail page worked abnormally
- Fixed the hidden remote user id appear after the remote hold the call
- Fixed device didn't exit conference after far end reject call
- Fixed speed dial from "Audio Loopback" page would result in sound lost
- Fixed LCD display abnormally after dial unmatched dial rule numbers
- Fixed LDAP search detail function works abnormal
- Fixed The “Edit and Dial” and “Save to Phonebook” function work abnormal
- Fixed Mute Feature work abnormally in dialing page
- Fixed LCD display null in Broadsoft phonebook
- Fixed LCD skipping issue after configure DHCP Option43/66 Override FW option

- Fixed GXP1625 when both accounts have a line assigned and a conference call is in progress if the user presses the Voice Message hard key then Soft Key back device will freeze.
- Fixed DUT crash when adjusting volume and brightness on LCD
- Fixed Back softkey and Clear All function in Messages don't work
- Fixed GXP1630 device dialing two calls at the same time in conference
- Fixed Call history display abnormally
- Fixed LCD jump error when press Back softkey on the UCM Detect page
- Fixed Gui go to the wrong page at the last element of LDAP search result
- Fixed Device crash when check LDAP return search result
- Fixed only encrypt signal but not RTP which under the CBCOM model.
- Fixed softkey is abnormal on LCD after pressing blank softkey when enabling Auto-Attended Transfer
- Fixed GXP1600C GUI crash when add new entry in phonebook.
- Fixed GXP1630 device work abnormally after far end on hook in conference page
- Fixed GXP1630 audio of Account 3 display abnormally on web page
- Fixed GXP1630 softkey display wrong in dialing page
- Fixed GXP16XX DTMF not recognized by Cisco Gateway.
- Fixed GXP1600C there is no Back softkey in LCD
- Fixed no account direct IP call display issue
- Fixed LCD contrast option is invalid in web page.
- Fixed device upgrade failed from build 0.9.21.45 to 1.0.0.34.
- Fixed LCD display unfriendly after disabling account1.
- Fixed DUT not provisioned using HTTPS server with gs-ca.crt
- Fixed LCD didn't display coming call number in talk.
- Fixed device played loopback audio on idle screen
- Fixed GUI crash after pressing arrow keys and phonebook key in talk.
- Fixed GUI crash after dial timeout
- Fixed GUI crash when check phonebook contact entry
- Fixed Dial softkey in phonebook is invalid.
- Fixed LCD didn't display Predictive Dialing number when dialing in idle status.
- Fixed MPK should be invalid when account didn't registered.
- Fixed DUT could not factory reset if do it as soon as it boot up
- Fixed "Enable OPTIONS Keep Alive" function is abnormal
- Fixed LCD didn't displayed instant message content
- Fixed Device should remove “EndCall” softkey in ringing page
- Fixed softkeys display abnormally after delete phonebook entry.
- Fixed softkeys in phonebook is invalid
- Fixed GXP1630 idle/call screen is different than other models
- Fixed LCD display abnormally after recovery conference.
- Fixed LCD should have text prompt when over voltage.
- Fixed device work abnormally when using wrong password to login web page.
- Fixed LCD display abnormally when phonebook contains Russian characters.

- Fixed Click-To-Dial icon display wrong in web page.
- Fixed uploading phonebook file from web page is invalid
- Fixed web page display abnormally when phonebook group contains special characters.
- Fixed LCD should giving a warning window in LDAP when searching null value.
- Fixed LCD didn't have EndCall softkey in talk.
- Fixed device download screen file failed when configure path with protocol head.
- Fixed device should limit the number of groups from web page.
- Fixed switch language is invalid.
- Fixed device can't add new group from LCD after deleting all groups.
- Fixed MPK should be invalid when account didn't registered.
- Fixed down arrow key doesn't work after pressing it in conference interface
- Fixed BLF keys not showing correct status for monitored extension with multiple registration
- Fixed LCD displays name wrong when phonebook number contains "()" and "-" character
- Fixed no account displays on LCD when it is dialing
- Fixed contact displays abnormally on LCD when number is too long
- Fixed Holdcall command is invalid via HTTP API.
- Fixed GUI crashed after pressing up arrow key in hold page.
- Fixed stutter tone didn't work
- Fixed BkSp key doesn't work when filling in one number in dialing interface
- Fixed some options don't display on Audio Settings web page of Account 3
- Fixed phone didn't display account status in web page.
- Fixed phone didn't have default value for core dump option.
- Fixed web page display abnormally when language with Russian.
- Fixed phonebook is abnormal on web page
- Fixed web display extra content in Programmable Keys page.
- Fixed gxp16xx - core download behavior is inconsistent
- Fixed LCD display abnormally in transfer page.
- Fixed GXP1600C_Web page displayed Preferred Vocoder - choice options wrong.
- Fixed there is no LDAP softkey in dialing page
- Fixed devices upgrade in cycle
- Fixed Device freeze when delete instant messages.
- Fixed GXP1630 line 3 key doesn't work
- Fixed MPK work abnormally when setting it as Busy Lamp Field
- Fixed LEDs didn't lights up in Diagnostic Mode.
- Fixed device failed to adjust the volume
- Fixed Upload phonebook file from web page is invalid. Add support for app side export
- Fixed LCD didn't display favorite contact after clearing digits in dial page
- Fixed Device could not dial favorite contact in page mode
- Fixed Setup completed option in Event Notification worked abnormally
- Fixed GXP1625 not honoring DHCP option 66

- Fixed DUT can't enter dialing interface after pressing EHS headset when headset type is "Plantronics EHS"
- Fixed device upgrade failed, stopped at “Recovery Incomplete” page
- Fixed programmable keys can’t be set on web page

NEW FEATURES OVERVIEW

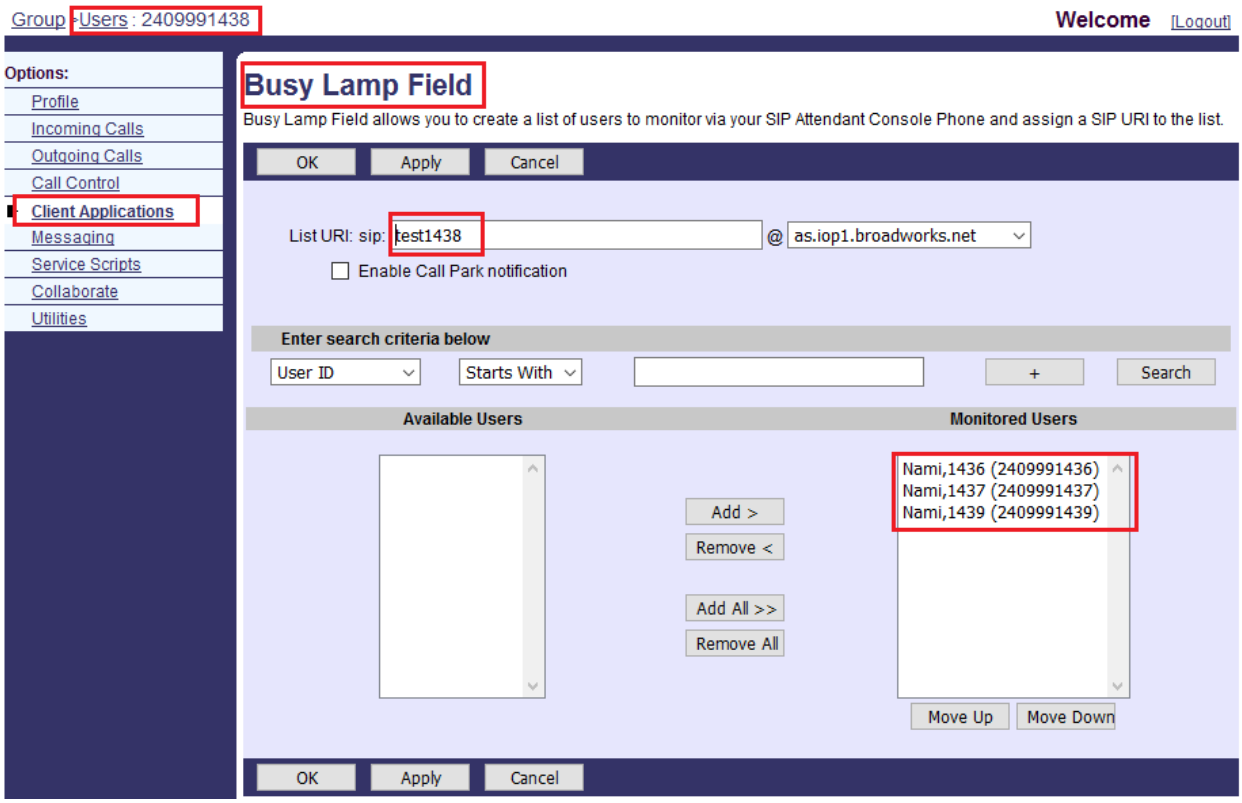
This section lists major new features and describes how to use it from the user’s point of view.

BLF CALL PICKUP BARGE-IN OPTION

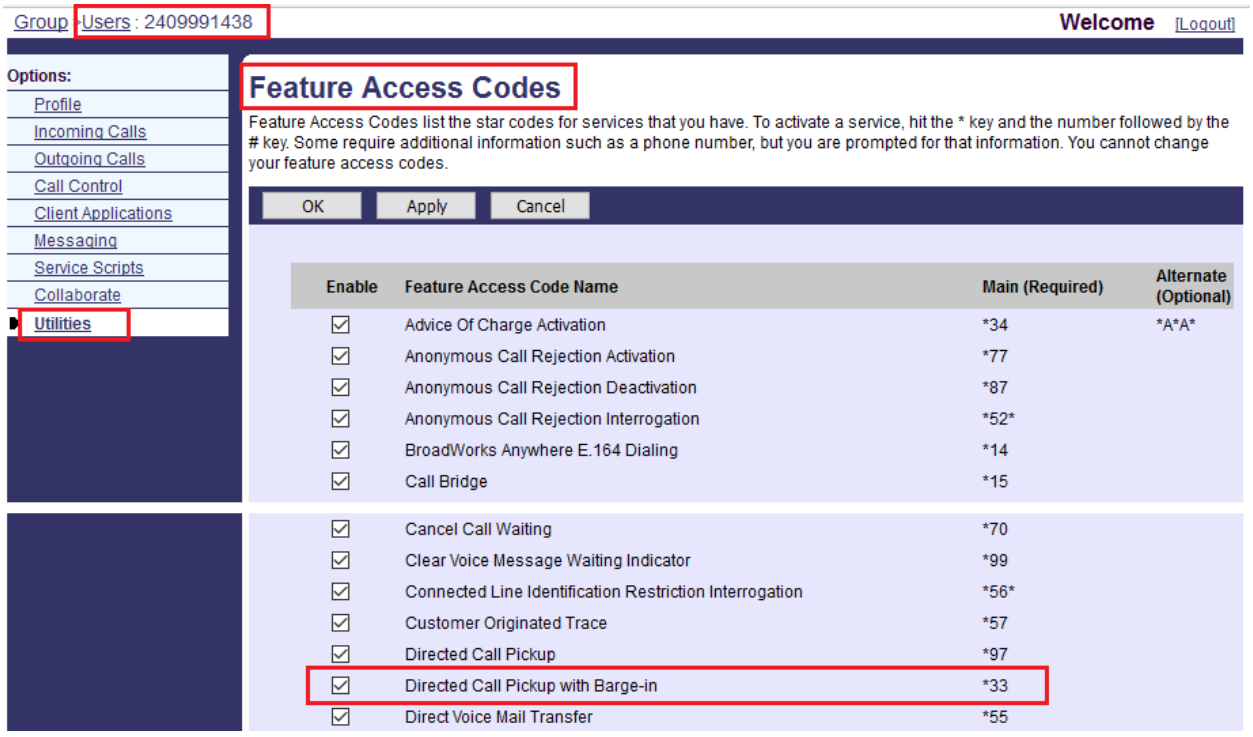
- **Web Configuration**

Take Broadsoft service server configuration for example:

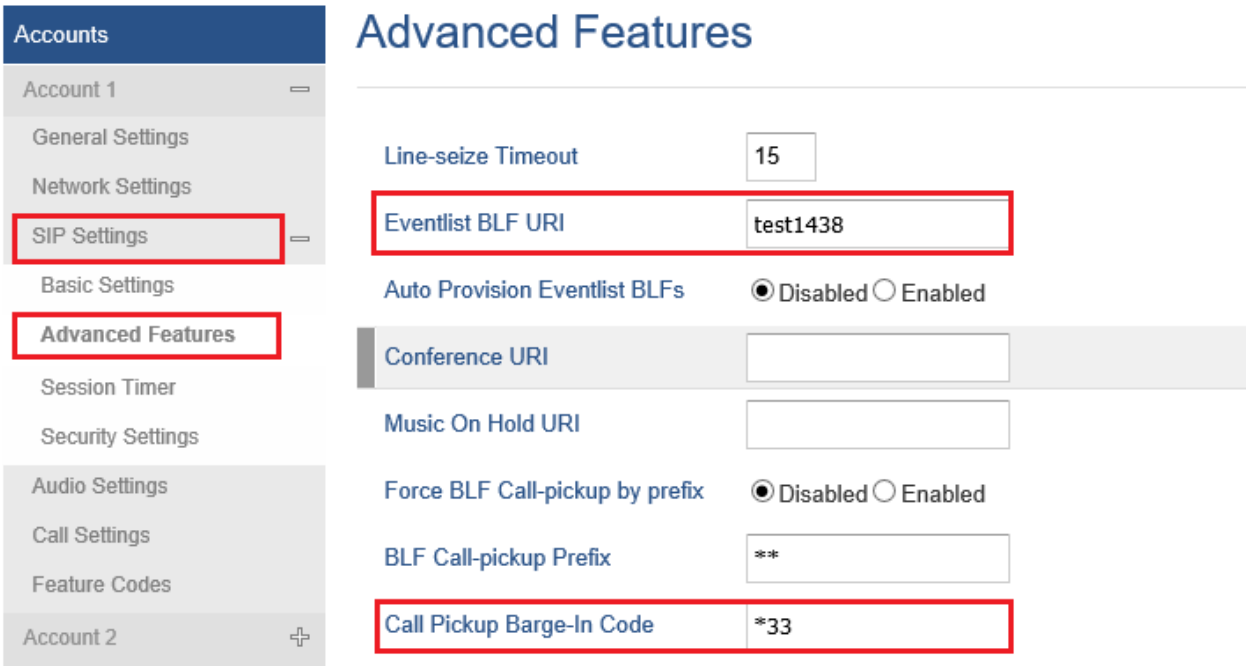
Enable BLF Eventlist function from Broadsoft server web UI->Group->Users->Client Applications->Busy Lamp Field.



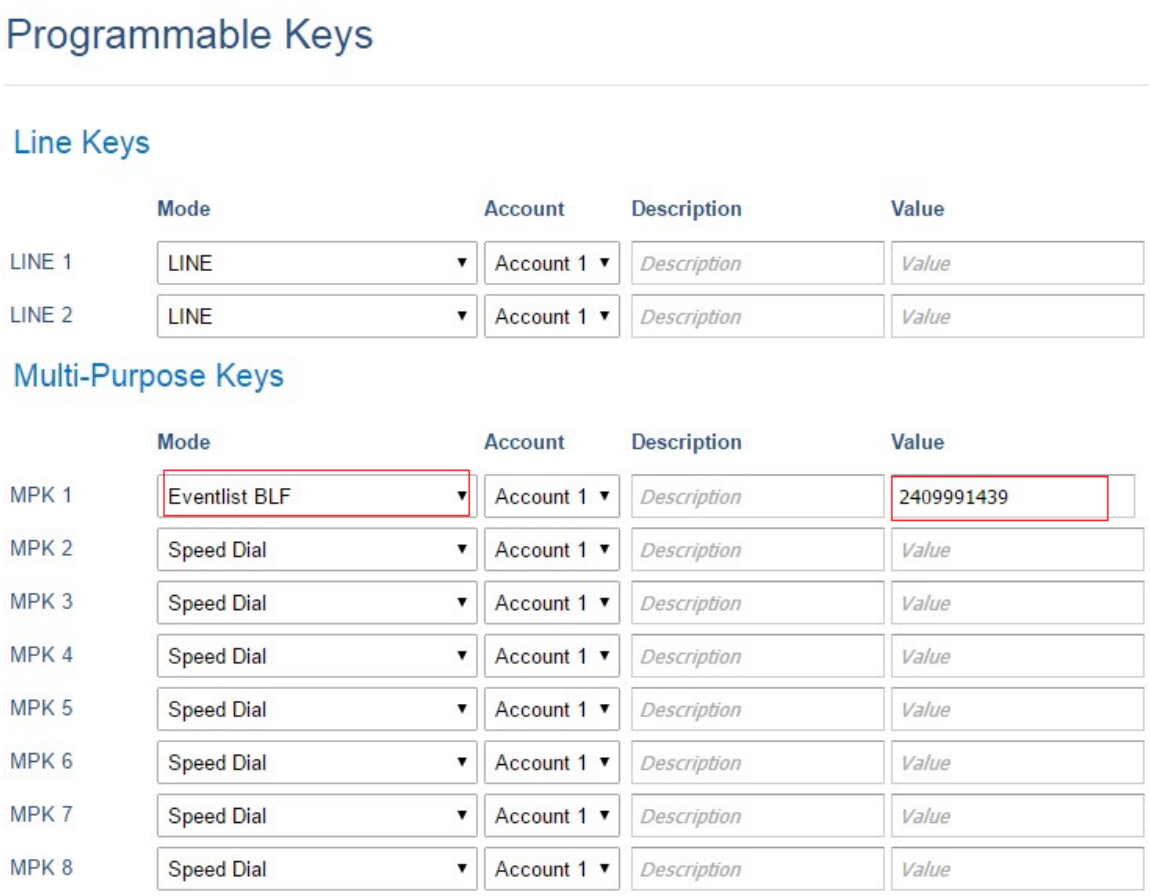
The information List URI sip and Monitored Users field will be configured in Grandstream phone. Check Call Pickup with Barge-in code from Broadsoft server->Group->User->Utilities->Feature Access Codes.



Based on Broadsoft Service server, the default Feature Access Code for Directed Call Pickup With Barge-in is *33. This information will be configured in Web Setting-> Accounts -> Account # -> SIP Settings -> Advanced Features.



Configure Eventlist BLF for one of the monitored extension in Multi-Purpose Keys.



- **Functionality**

This new feature will provide the following functionality:

Allow users to dial a feature access code (FAC) followed by an extension number to pick up or barge-in a call to the monitored extension. If the monitored extension is ringing state (LED indicator is flashing red), a user can pick up that call before the call is answered by monitored side.

If the monitored extension is in talk (LED indicator is solid red), a user can barge-in that existing call. That is, monitored side will release the call, the barge-in user become the controller of this call. When a barge-in occurs and the user's warning tone is enabled on server side, a user would hear barge-in warning tone.

Monitored Extension 2409991429 is Call Ringing State, MPK's LED will be red blinking or monitored extension 2409991429 LED is solid red, which is on talk state. In the above two states, User can use Call Pickup with Barge-in by pressing the MPK, which is configured as Eventlist BLF function key.

When the phone performs Call Pickup with Barge-in, the called number be added *33 Call Pickup Barge-in code and the user might hear the warning tone if the function is enabled.

UPLOAD CONFIGURATION FILE THROUGH WEB INTERFACE

- **Web Configuration**

User can find this feature on web UI->Maintenance->Upgrade and Provisioning->Config.

- **Functionality**

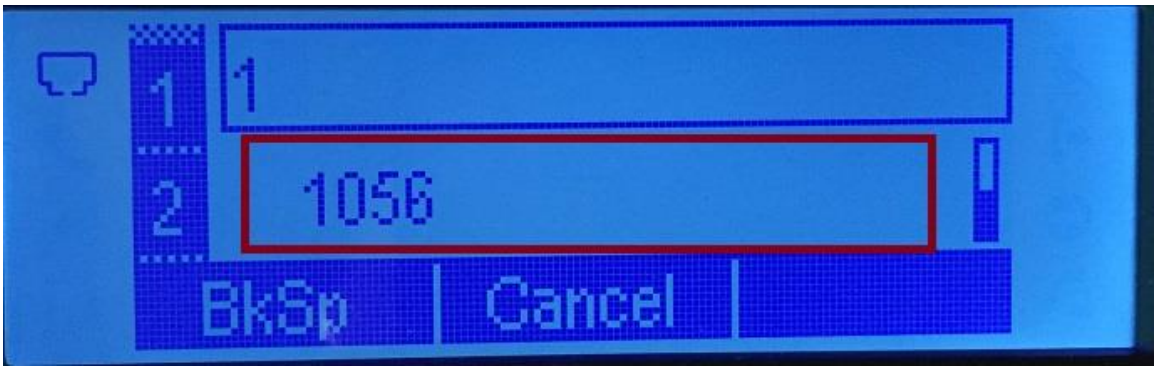
User can upload the config.txt file which can be downloaded from the “Download Device Configuration” link.

Note: the uploaded file must be a text format file.

PREDICTIVE DIALING FEATURE

- **Functionality**

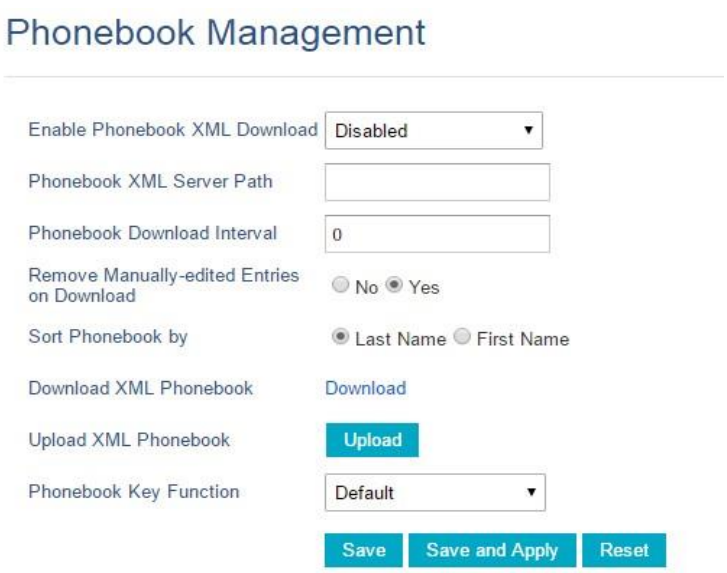
User can will see the predictive number that might be matched with the number which has been pressed. The numbers in call history and phone book will be matched. User can press up and down Key to see all the matched list.



EXPORT CONTACT XML

- **Web Configuration**

User can find this feature on web UI->Phonebook->Phonebook->Management->Download XML Phonebook link.



- **Functionality**

User can use Download XML Phonebook link to download the current stored phonebook, a phonebook.xml file will be downloaded to local computer.

HIDE REMOTE USER ID VIA WEB PAGE

- **Web Configuration**

User can find this feature on web UI->Accounts->Account #->Call Settings.

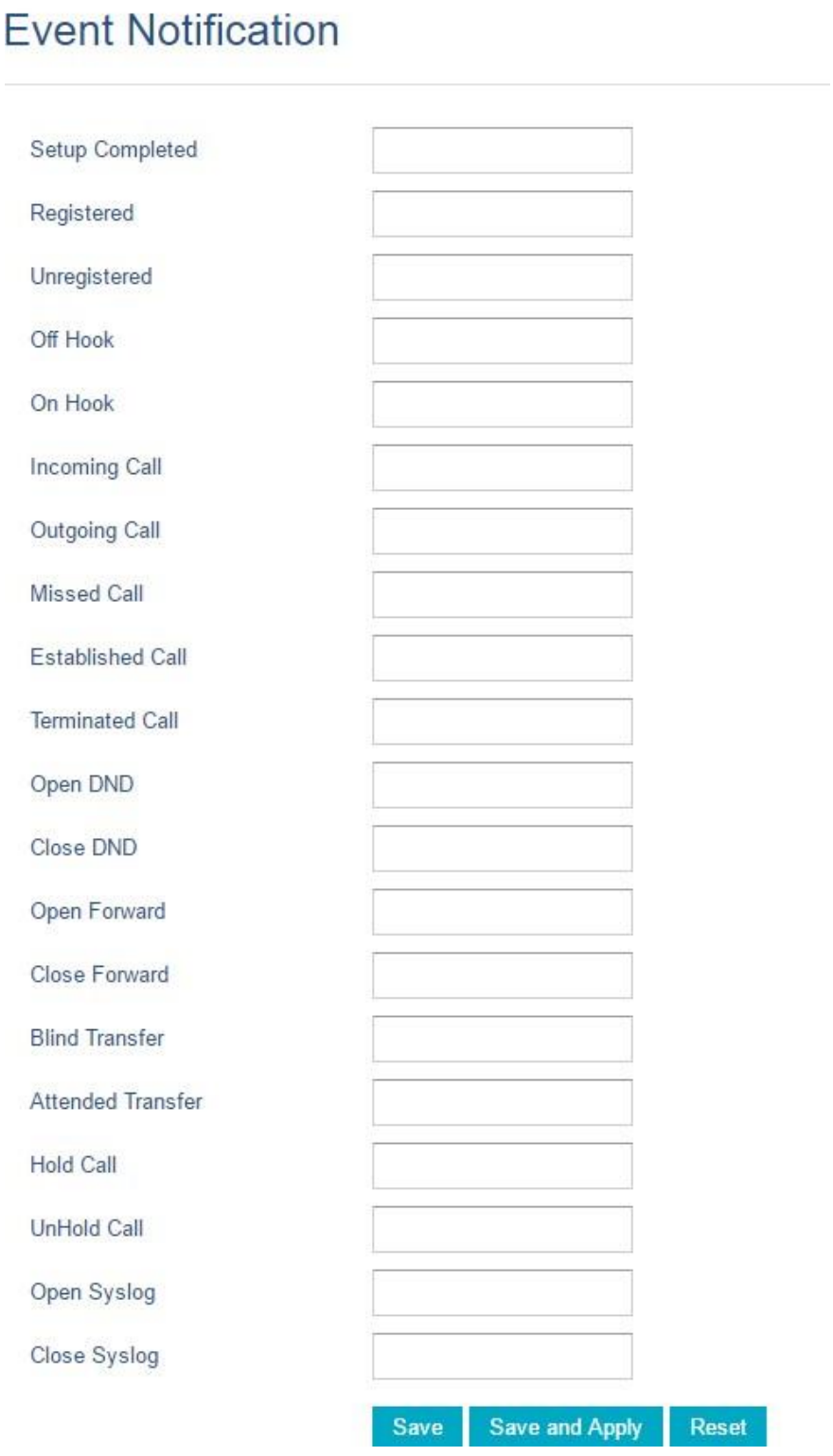
- **Functionality**

Allows users to hide the number and display name of remote user ID more than the specific length in an incoming/outgoing call. LCD should display user id as **** when remote user id matched the condition.

ACTION URL FEATURE SUPPORT ON GXP1610

- **Web Configuration**

User can find this new feature in web UI->Maintenance->Event Notification.



- **Functionality**

Send the Action URL when the IP phone finishes the assigned action.

ABILITY TO PREVENT THE PHONE FROM SENDING DNS THEN HTTPS REQUESTS TO IPVIDEOTALK MEDIA SERVICE

- **Web Configuration**

User can find this new feature in Settings->Web service->Enable IPVideoTalk.

- **Functionality**

User can enable or disable Grandstream IPVideoTalk services on the phone. Reboot is required. After disabling this feature, the phone doesn't send DNS queries to IPVideoTalk media service.

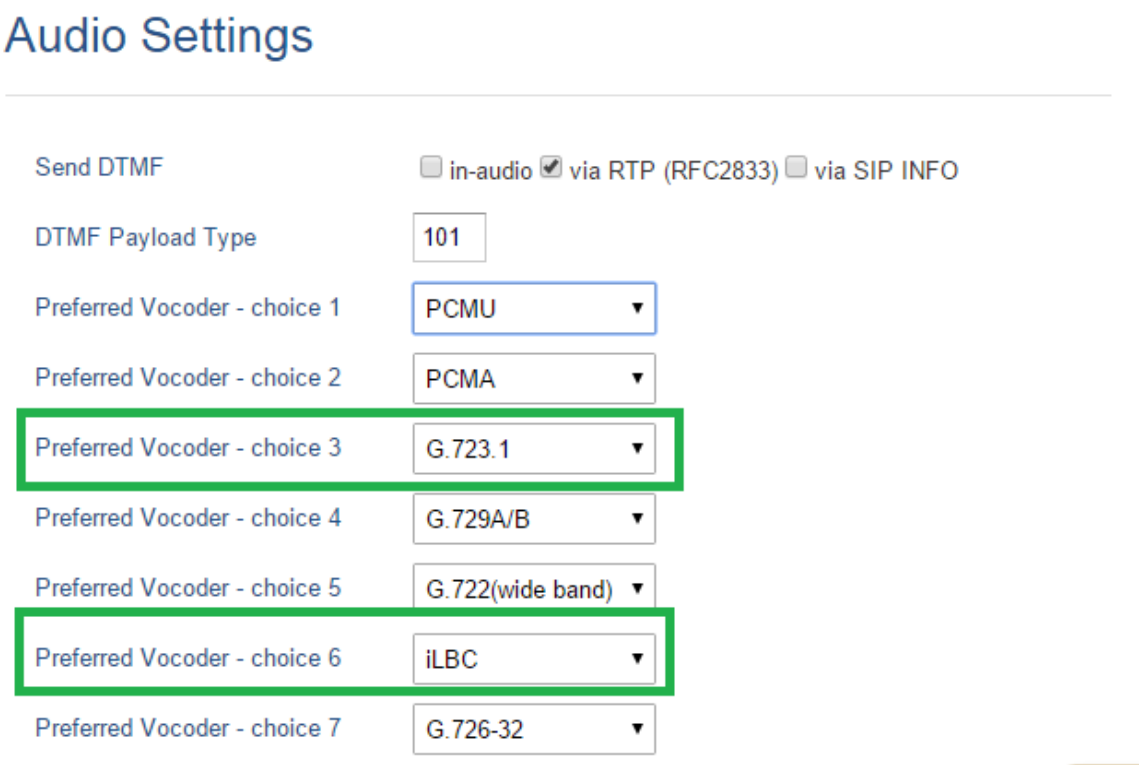
- **New P values**

P value	Description	Value range	Default
P8338	<New P-value> P-value to enable or disable Grandstream IPVdeioTalk services on the phone.	0, No 1, Yes	1

SUPPORT ILBC AND G723.1 VOCODER

- **Web Configuration**

User can find this new feature in web UI->Accounts->Account Number->Audio Settings.



- **Functionality**

Configure vocoders iLBC and G723 in a preference list that is included with the same preference order in SDP message.

- **New/Changed P values**

P value	Description	Value range	Default
P57 P451 P551	<New P value range > P value to set Preferred Vocoder – choice 1	4: G.723.1 <New added> 18: G.729A/B 0: PCMU 8: PCMA 2: G.726-32 9: G.722(wide band) 98: iLBC <New added>	0
P58 P452 P552	<New P value range > P value to set Preferred Vocoder – choice 2	4: G.723.1 <New added> 18: G.729A/B 0: PCMU 8: PCMA 2: G.726-32 9: G.722(wide band) 98: iLBC <New added>	8
P59 P453 P553	<New P value range /Default P value changed> P value to set Preferred Vocoder – choice 3	4: G.723.1 <New added> 18: G.729A/B 0: PCMU 8: PCMA 2: G.726-32 9: G.722(wide band) 98: iLBC <New added>	Changed to 4
P60 P454 P554	<New P value range> P value to set Preferred Vocoder – choice 4	4: G.723.1 <New added> 18: G.729A/B 0: PCMU 8: PCMA 2: G.726-32 9: G.722(wide band) 98: iLBC <New added>	18

P61 P455 P555	<New P value range> P value to set Preferred Vocoder – choice 5	4: G.723.1 <New added> 18: G.729A/B 0: PCMU 8: PCMA 2: G.726-32 9: G.722(wide band) 98: iLBC <New added>	9
P62 P456 P556	<New P value added> P value to set Preferred Vocoder – choice 6	4: G.723.1 18: G.729A/B 0: PCMU 8: PCMA 2: G.726-32 9: G.722(wide band) 98: iLBC	98
P63 P457 P557	<New P value added> P value to set Preferred Vocoder – choice 7	4: G.723.1 18: G.729A/B 0: PCMU 8: PCMA 2: G.726-32 9: G.722(wide band) 98: iLBC	2

FIRMWARE VERSION 1.0.2.27

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628, GXP1630

DATE

11/19/2015

BUG FIX

- Fixed Adjusted Hebrew Font to a smaller size
- Fixed Hebrew strings update

FIRMWARE VERSION 1.0.2.26

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628, GXP1630

DATE

10/28/2015

ENHANCEMENT

- Added ability to filter characters from dialed numbers

BUG FIX

- Fixed LCD doesn't have reconf softkey after answer incoming call in conference in certain scenario
- Fixed LCD display abnormal after receiving 488 then having incoming call
- Fixed EndCall softkey is invalid when establishing conference using soft pause on MPK speed dial number
- Fixed There is no ring tone in incoming call when adjusting volume
- Fixed Click-To-Dial first available account feature works abnormally
- Fixed BLF keys not showing correct status for monitored extension with multiple registrations

FIRMWARE VERSION 1.0.2.25

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628, GXP1630

DATE

10/14/2015

ENHANCEMENT

- Updated logo for web UI

BUG FIX

- Fixed DUT not provisioned using HTTPS server with gs-ca.crt

FIRMWARE VERSION 1.0.2.22

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628

DATE

09/03/2015

ENHANCEMENT

- Added DHCP Option 125 support

BUG FIX

- Fixed DTMF not recognized by Cisco Gateway
- Fixed Inverted LCD Hebrew Strings in Account Name and Incoming Calls
- Fixed Phone plays DTMF tone first then starts to record
- Fixed LCD warning "File Exists" when no 802.1x CA Certificate file uploaded
- Fixed Pressing EHS key can't send out when dialing in idle status
- Fixed LCD doesn't prompt reboot window after modifying network configuration
- Fixed Device displays abnormal when pressing multicast paging MPK in the dial screen

FIRMWARE VERSION 1.0.2.21

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628

DATE

08/21/2015

ENHANCEMENT

- Split upgrading method, username and password settings for firmware upgrading and Provisioning
- Improved security by hiding password from command line
- Added option to disable SUBSCRIBE message for x-broadworks-callpark event when it's not supported or enabled for the Broadsoft server

BUG FIX

- Fixed "Back" softkey doesn't work
- Fixed Downloading idle screen file abnormally
- Fixed LCD language should be Chinese after factory reset if device obtains IP address from China location
- Fixed Phone could not hear multicast paging sender if the multicast paging call is answered on audio loopback interface
- Fixed Audio channel is incorrect if switching audio channel on conference number input interface
- Fixed Audio channel is incorrect after answering incoming call
- Fixed Audio channel is incorrect if pressing MUTE key in transfer number input interface
- Fixed Audio channel is incorrect after pressing ReConf key to recover conference
- Fixed Multicast paging call will be saved into call history if making the call in ForwardAll interface
- Fixed Language display abnormal on LCD when using Czech
- Fixed Phone cannot send HTTP request to download idle screen file when it receives NOTIFY

FIRMWARE VERSION 1.0.2.4

PRODUCT NAME

GXP1610, GXP1620, GXP1625, GXP1628

DATE

05/19/2015

ENHANCEMENT

- Added option to bypass dial plan
- Added configuration option to ignore Alert-Info header when used for distinctive ringtone
- Updated French, Spanish and Hebrew language strings

BUG FIX

- Fixed The Event Duration in RFC2833 DTMF is unstable which leads failure to check voice mail
- Fixed Device crashes after enabling SIP OPTIONS and staying in idle for a long time
- Fixed IP display error when phone is plugged into LLDP environment that has VLAN configured
- Fixed New Zealand time zone needs update
- Fixed LCD displays network and icon in upgrading
- Fixed Missed calls display abnormally
- Fixed Phone behaves abnormally if entering audio loopback when enable HEADSET Key Mode
- Fixed Rejecting a call in "Audio Loopback" interface would result in audio lost
- Fixed The volume is wrong if adjusting it under headset mode
- Fixed Wrong display when trying to get and set static IP, netmask, gateway in SSH access.
- Fixed Handset may play ring back tone when off-hook during volume adjustment
- Fixed LCD freezes on "Downloading firmware file" page in upgrade via TFTP
- Fixed LED on EHS headset won't turn off automatically
- Fixed Provider_lock doesn’t apply to protected P values of account 4 – account 6

FIRMWARE VERSION 1.0.1.14

PRODUCT NAME

GXP1610, GXP1620, GXP1625

DATE

05/06/2015

ENHANCEMENT

- Added LCD prompt support for HTTP digest challenge for provisioning request
- Added support of sending SIP options messages to verify connectivity to the SIP server
- Added dual outbound SIP proxy support
- Added Broadsoft support: outbound proxy failover and failback feature

BUG FIX

- Fixed Phone freezes on conference interface after long time PCMU conference
- Fixed Phone couldn't hear each other talking when the SSRC is 0

FIRMWARE VERSION 1.0.1.12

PRODUCT NAME

GXP1610, GXP1620, GXP1625

DATE

04/14/2015

ENHANCEMENT

- Added support of DHCP OPTION 160 on Metaswitch FW

BUG FIX

- Fixed handset may play ring back tone when off-hook during adjusting volume
- Fixed LCD freezes on "Downloading firmware file" page in upgrade via TFTP
- Fixed New Zealand time zone need update
- Fixed DNS-SRV connection failed if first option is unavailable using TCP
- Fixed phone could not end call after holding a conference